

Draft  
March 15, 2002

Southwest Fisheries Science  
Center  
P. O. Box 271  
La Jolla, CA 92038

March 15, 2002 F/SWSC1:JLB

#### CRUISE ANNOUNCEMENT

VESSEL: Research Vessel David Starr Jordan

CRUISE DATES: July 8 - July 18, 2002

PROJECT: Office of Protected Resources: Brood stock  
collection white abalone off California

ITINERARY: Cruise. Depart San Diego, CA 1600 July 8,  
2000 and proceed to Tanner Bank to conduct ROV and dive  
operations. On or about July 13 proceed to Cortes Bank and  
continue brood stock collection. If weather precludes  
operations on Tanner and Cortes Banks, alternate sites will  
be investigated off San Clemente Island, Santa Barbara  
Island or Santa Cruz Island. On or about July 18, 1999  
return to San Diego.

OBJECTIVES: To collect live white abalone and return them  
to the laboratory as brood stock for captive breeding and  
enhancement. Bottom topography and habitat will be mapped  
with sidescan sonar and ROV video.

PROCEDURES: At each dive site, locate white abalone with  
a ROV and collect animals for brood stock. This will  
require close coordination between ship and ROV pilot.  
After locating a white abalone, the ship and ROV will hold  
position while divers locate and recover the animal.  
Sidescan sonar habitat mapping will be conducted during  
night time hours. If possible, some night time operations  
to observe nocturnal behavior will be conducted. ,

EQUIPMENT: Phantom HD2+2 ROV  
ORE Trackpoint system  
Color TV monitor  
Under water Lasers  
Portable digital video recorder  
Tethers  
Deep Diving Equipment  
Decompression chamber  
Portable holding tanks  
Oxygen tanks  
Submersible pumps  
Side scan Sonar

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Special Equipment:  
Pole and mount for directional hydrophone

PERSONNEL: John L. Butler, Chief Scientist, SWFSC  
John Wagner, SWFSC  
Ben Maurer, SWFSC  
Chuck Oliver, SWFSC  
Eric Lynn, SWFSC  
Terrance Tysall, Cambrian Foundation  
Timothy Gallager, Cambrian Foundation  
Grant Graves, Cambrian Foundation  
Ken Schnieder, Cambrian Foundation  
John Barone, Cambrian Foundation  
Pete Goutman, Cambrian Foundation  
Chamber operator, NOAA  
Guy Cochrane, USGS  
Technician, USGS  
Mellisa Neuman, SWR

Watch Hours: 0600-1800 Overtime 240 hrs

Task No.

Prepared by: \_\_\_\_\_  
John L. Butler

Approved by: \_\_\_\_\_

Director

Michael Tillman  
Science & Research  
  
SWFSC